

## ***Project Summary and Justification***

Department      Public Utilities

Division          Wastewater

The Capital Improvement Program for the 2004-2010 period is a continuing and comprehensive effort to assure the proper collection and treatment of current and future wastewater flows and loads in a manner that protects human health and the environment and that meets Federal Environmental Protection Agency (EPA) and State of Nebraska Department of Environmental Quality (NDEQ) National Pollutant Discharge System (NPDES) discharge permits, Clean Air Act permits, and regulated operating requirements.

### **Project 1**

#### **a.      Collection System Extension - Match. (502500)**

Provide for construction of mains larger than 8" in diameter residential, commercial, and industrial areas. Also, to subsidize mains in certain wastewater districts, new subdivisions, future growth areas, or other City projects.

#### **b.      Preliminary Design and Engineering Support. (502610)**

Provide for preliminary design and review of unanticipated wastewater projects.

#### **c.      Facilities Plan Update.**

Provides for an updating the Comprehensive Facilities Master Plan for wastewater collection, pumping, and treatment facilities in accordance with the City's comprehensive planning efforts, to accommodate City growth and meet State and Federal regulatory operating requirements.

### **Project 2      Selected Replacement or Repair of Wastewater Facilities and/or Collectors.**

**(700359)** Provide for replacement, reconstruction, and/or repair of wastewater facilities and/or collectors that have served their useful lives and are in poor structural condition. Included are repairs to collectors and appurtenances to reduce infiltration and inflow into the system. Easements may be required.

- a.**      Selected Replacement or Repair of Manholes.
- b.**      South 12<sup>th</sup> to 10<sup>th</sup>, between "O" and "N" Streets.
- c.**      North 22<sup>nd</sup> to 23<sup>rd</sup>, Vine to "U" Streets.
- d.**      South 20<sup>th</sup> to 19<sup>th</sup>, "O" to "N" Streets.
- e.**      Stratford Avenue to Sewell Street, Bradfield Drive to Calumet Court.
- f.**      Winthrop Road to Bradfield Drive, Ryons to Sewell Streets.
- g.**      South 40<sup>th</sup>, High to Pawnee Streets.
- h.**      North 52<sup>nd</sup> to 55<sup>th</sup>, near Holdrege Street.
- i.**      Northwest 44<sup>th</sup>, West Mathis to West Superior Streets.
- j.**      Liftstations - Replace Pumps and Telemetry Replacement and Upgrade.
- k.**      UNL Master Plan.
- l.1**    Antelope Valley Vine Street Road and Bridge.
- l.2**    Antelope Valley Big "Tee".
- l.3**    Antelope Valley "P" and "Q" Street Bridges.
- l.4**    Antelope Valley "O" Street Bridge.
- l.5**    Antelope Valley "N" Street Bridge.
- l.6**    Antelope Valley East Leg Overpass.
- l.7**    Antelope Valley North/South Road, "Q" to "Y" Streets.

***Project Summary and Justification (cont.)***

Department      Public Utilities

Division            Wastewater

These collection system projects provide for necessary improvements and replacements to the wastewater collection system lines, liftstations, and treatment facilities to minimize infiltration and inflow into the system and to maintain service in these areas. Included are: lines and manholes that are in poor structural condition with deteriorated flow characteristics, corroded, or broken and are in need of replacement. Liftstations, force mains, and facilities at the treatment facilities that are in need of replacement.

***TRUNK SEWER SYSTEM IMPROVEMENTS***

The following trunk and relief sewer projects provide for additional and future capacity by relieving overloaded and surcharging conditions in existing trunk lines due to Lincoln's continuing growth. Extending of the described trunk lines in the various basins provides for meeting future growth and development needs of the City in these basins as outlined in the City's Comprehensive Plan.

**Project 3      Salt Valley Basin - Relief Sewer Improvements. (502450)**

- a. Phase IV - South 4<sup>th</sup> and Rose Street to approximately South 6<sup>th</sup> and Pioneers Boulevard.
- b. Phase V - South 6<sup>th</sup> and Pioneers Boulevard to Hunts and Old Cheney Roads.
- c. Upper Southeast - South 20<sup>th</sup> and Yankee Hill Road to South 27<sup>th</sup> and Rokeby Road to South 40<sup>th</sup> and Yankee Hill Road.
- d. Upper Southwest - South 7<sup>th</sup> and Old Cheney Road to South 1<sup>st</sup> and West Denton Road.

**Project 4      Northeast Salt Creek Basin - North 49<sup>th</sup> to 70<sup>th</sup>, north of Salt Creek.**

**Project 5      Little Salt Creek Basin. (502005)**

- a. North 31<sup>st</sup> Street Liftstation Outfall Improvements - North 31<sup>st</sup> and Salt Creek to Theresa Street.
- b. Extend Trunk Sewer - North 14<sup>th</sup> and Humphrey Avenue to North 7<sup>th</sup> and Alvo Road.

**Project 6      Oak Creek Basin - Relief Trunk Sewer. (502940)**

- a. South Runway to Northwest 44<sup>th</sup> and West Mathis Street to Air Park Road.
- b. Northwest 27<sup>th</sup> - Kawasaki to Hwy. 34, and Airport Road from Northwest 37<sup>th</sup> to 35<sup>th</sup>.
- c. Northwest 44<sup>th</sup> to Hwy. 34.

**Project 7      Beals Slough Basin. (700333)**

- a. Relief Trunk, Phase I - South 6<sup>th</sup> and Pioneers Boulevard to South 27<sup>th</sup> and Hwy. 2.
- b. Relief Trunk, Phase II - South 27<sup>th</sup> to 56<sup>th</sup> and Hwy. 2.
- c. Upper Beals - Extend Trunks - South 65<sup>th</sup> and Pine Lake Road to South 56<sup>th</sup> and 70<sup>th</sup> and Yankee Hill Road.

**Project 8      West "O" Street Basin. (701019).**

- a. Extend Trunk Sewer - Southwest 40<sup>th</sup> to near Northwest 48<sup>th</sup> and I-80.
- b. Northwest 48<sup>th</sup> and I-80 to north and west of I-80 sub-basin.

***Project Summary and Justification (cont.)***

Department      Public Utilities

Division          Wastewater

**Project 9      Lynn Creek Trunk Sewer (relief trunk sewer), Northwest 1<sup>st</sup> and West Harvest Drive to Barone Road.**

**Project 10      Stevens Creek Basin. New Trunk Sewer System.**

- a. Phase I - Northeast Plant to North 84<sup>th</sup> and Fletcher Avenue.
- b. Phase II - End of Phase I to Havelock Avenue and Stevens Creek.
- c. Phase III - End of Phase II to Leighton Avenue and Stevens Creek.

***TREATMENT FACILITIES***

New NPDES discharge permits with stricter effluent discharge limits became effective in January, 2004. The noted treatment facility improvement projects for the Theresa and Northeast treatment facilities provide for additional growth and capacity: maintaining proper and cost efficient treatment to meet the issued NPDES effluent discharge limits and provide for other necessary improvements.

Treatment process improvements and capacity upgrades are identified for both facilities in sub-projects 11.a and 12.a. These improvements are necessary to reduce ammonia concentrations in the discharges to meet the new NPDES effluent discharge permit limits and water quality criteria for Salt Creek.

Improvements to grit removal facilities for additional capacity and handling of collected grit in a cost effective manner are included in sub-projects 11.e and 12.b. Wet-weather treatment improvements to facilities to meet future Federal and State sanitary sewer overflows (SSO) regulations for treating wet weather flows and preventing SSO's are identified in sub-projects 11.f and 12.g. Sub-projects 11.g and 12.d provides for expansion of solids digestion and handling to provide for additional capacity to meet future growth.

**Project 11      Theresa Street Improvements.**

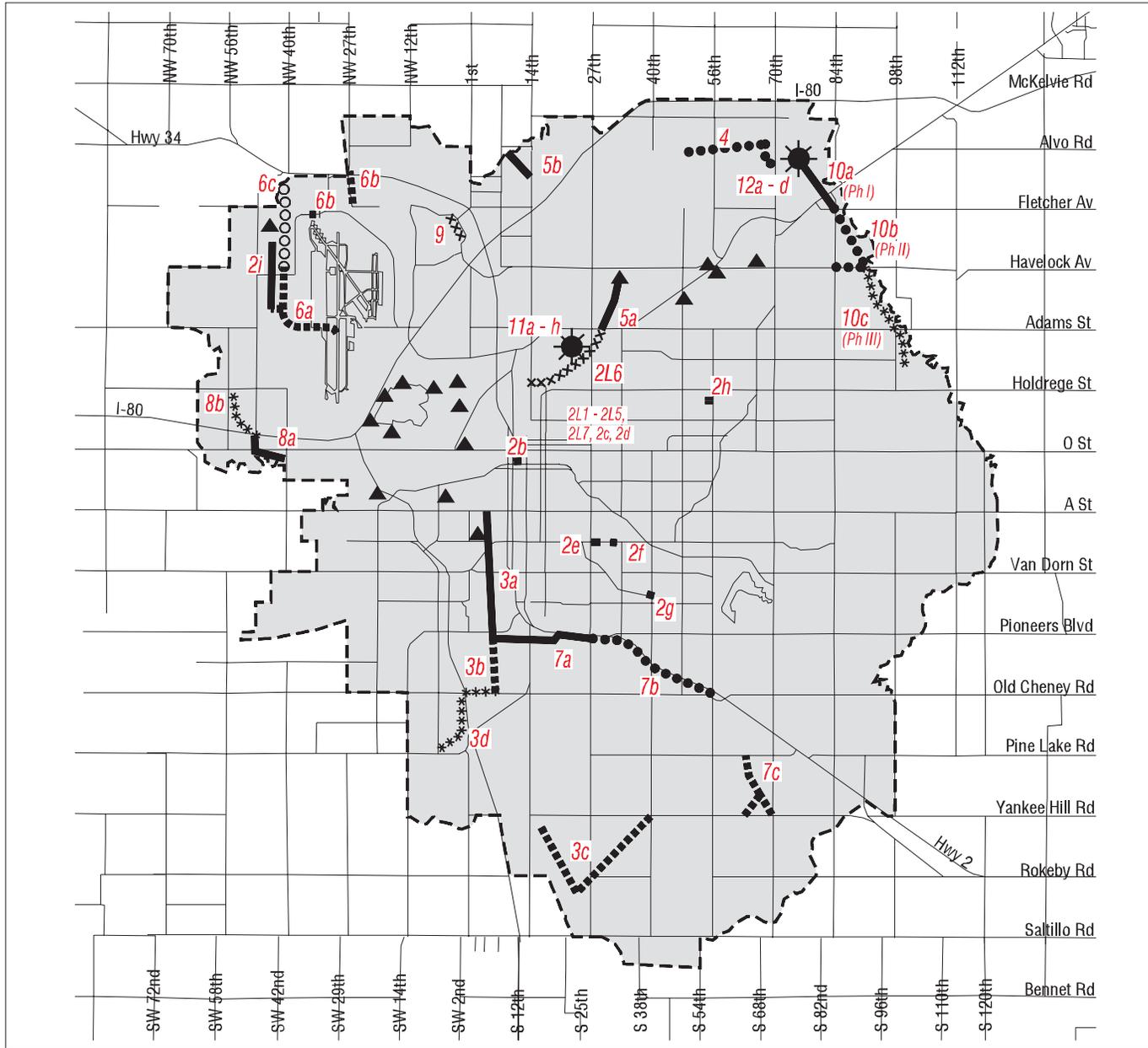
- a. Treatment Process Capacity Improvements and Upgrades. (5025100). Additional Nitrification, Primary and Final Clarifiers, and Grit Basin.
- b. Odor and Corrosion Control Facilities Solids Dewatering Buildings. (701289)
- c. Maintenance Building Structural Repairs and Modifications.
- d. Salt Creek Bank Stabilization.
- e. Grit Removal. (700329). (Council Resolution No. A-81896)
- f. Wet-Weather Treatment Facilities.
- g. Solids Handling Improvements - Dewatering, Digestion, and Co-Generation Improvements.
- h. Liquid Waste Facilities - Septage Handling.

**Project 12      Northeast Improvements.**

- a. Treatment Process Capacity Improvements and Upgrades. (502510). Additional Nitrification and Capacity Improvements.
- b. Grit Removal Improvements. (502513)
- c. Wet-Weather Treatment Facilities.
- d. Solids Handling and Digestion Capacity Improvements.

# Lincoln CIP 2004 - 2010

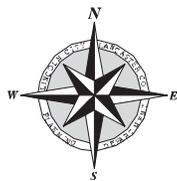
# Public Utilities Wastewater



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## Lincoln's Future Service Limit Shown as Gray

Map prepared by  
City - Co. Planning Dept  
GIS Section



### Symbol for Fiscal Years

- 2004-2005
- ..... 2005-2006
- 2006-2007
- 2007-2008
- xxxxxxxx 2008-2009
- \*\*\*\*\* 2009-2010



Treatment Plant  
Lift Stations - Project 2j 2004 - 05

*(Capital improvements often take many years to complete. The year shown on this map reflects the start up year or year of greatest activity. Consult the detailed project lists for further information on project scheduling and likely completion.)*

**List of Projects**      *Department: Public Utilities / Wastewater*

Project Number	Project Title
1*	General System Improvements
	a. Collection System Extension - Match. (502500)
	b. Preliminary Design and Engineering Support. (502610)
	c. Facilities Plan Update.
2	Selected Replacement or Repair of Wastewater Facilities and/or Collectors. (700359). Projects such as:
	a. Replacement or Repair of Manholes.
	b. South 12 <sup>th</sup> to 10 <sup>th</sup> , between "O" and "N" Streets.
	c. North 22 <sup>nd</sup> to 23 <sup>rd</sup> , Vine to "U" Streets.
	d. South 20 <sup>th</sup> to 19 <sup>th</sup> , "O" to "N" Streets.
	e. Stratford Avenue to Sewell Street, Bradfield Drive to Calumet Court.
	f. Winthrop Road to Bradfield Drive, Ryons to Sewell Streets.
	g. South 40 <sup>th</sup> , High to Pawnee Streets.
	h. North 52 <sup>nd</sup> to 55 <sup>th</sup> , near Holdrege Street.
	i. Northwest 44 <sup>th</sup> , West Mathis to West Superior Streets.
	j. Liftstations - Replace Pumps and Telemetry Replacement and Upgrade.
	k. UNL Master Plan.
	l.1. Antelope Valley Vine Street Road and Bridge.
	l.2. Antelope Valley Big "Tee".
	l.3. Antelope Valley "P" and "Q" Street Bridges.
	l.4. Antelope Valley "O" Street Bridge.
	l.5. Antelope Valley "N" Street Bridge.
	l.6. Antelope Valley East Leg Overpass.
	l.7. Antelope Valley North/South Road, "Q" to "Y".
3	Salt Valley Basin - Relief Sewer Improvements. (502450)
	a. Phase IV - South 4 <sup>th</sup> and Rose Street to approximately South 6 <sup>th</sup> and Pioneers Boulevard.
	b. Phase V - South 6 <sup>th</sup> and Pioneers Boulevard to Hunts and Old Cheney Roads.
	c. Upper Southeast - South 20 <sup>th</sup> and Yankee Hill Road to South 27 <sup>th</sup> and Rokeby Road to South 40 <sup>th</sup> and Yankee Hill Road.
	d. Upper Southwest - South 7 <sup>th</sup> and Old Cheney Road to near South 1 <sup>st</sup> and West Denton Road.
4	Northeast Salt Creek Basin - North 49 <sup>th</sup> to 70 <sup>th</sup> , north of Salt Creek.
5	Little Salt Creek Basin. (502005)
	a. North 31 <sup>st</sup> Street Liftstation Outfall Improvements - North 31 <sup>st</sup> and Salt Creek to Theresa Street.
	b. Extend Trunk Sewer - North 14 <sup>th</sup> and Humphrey Avenue to North 7 <sup>th</sup> and Alvo Road.
6	Oak Creek Basin - Relief Trunk Sewer. (502940)
	a. South Runway to Northwest 44 <sup>th</sup> and West Mathis Street to Air Park Road.
	b. Northwest 27 <sup>th</sup> - Kawasaki to Hwy. 34, and Airport Road from Northwest 37 <sup>th</sup> to 35 <sup>th</sup> .
	c. Northwest 44 <sup>th</sup> to Hwy. 34.
7	Beals Slough Basin. (700333)
	a. Relief Trunk, Phase I - South 6 <sup>th</sup> and Pioneers Boulevard to South 27 <sup>th</sup> and Hwy. 2.
	b. Relief Trunk, Phase II - South 27 <sup>th</sup> to 56 <sup>th</sup> and Hwy. 2.
	c. Upper Beals - Extend Trunks - South 65 <sup>th</sup> and Pine Lake Road to South 56 <sup>th</sup> and 70 <sup>th</sup> and Yankee Hill Road.
8	West "O" Street Basin. (701019).
	a. Extend Trunk Sewer - Southwest 40 <sup>th</sup> to near Northwest 48 <sup>th</sup> and I-80.
	b. Northwest 48 <sup>th</sup> and I-80 to north and west of I-80 sub-basin.
9	Lynn Creek Trunk Sewer (relief trunk sewer), Northwest 1 <sup>st</sup> and West Harvest Drive to Barone Road.
10	Stevens Creek Basin. New Trunk Sewer System.
	a. Phase I - Northeast Plant to North 84 <sup>th</sup> and Fletcher Avenue.
	b. Phase II - Phase I to Havelock Avenue and Stevens Creek.
	c. Phase III - Phase II to Leighton Avenue and Stevens Creek.
11	Theresa Street Improvements.
	a. Treatment Process Capacity Improvements and Upgrades. (502420). Additional Nitrification, Primary and Final Clarifiers, and Grit Basin.
	b. Odor and Corrosion Control Facilities Solids Dewatering Buildings. (701289)
	c. Maintenance Building Structural Repairs and Modifications.
	d. Salt Creek Bank Stabilization.
	e. Grit Removal. (700329). (Council Resolution No. A-81896)
	f. Wet-Weather Treatment Facilities.
	g. Solids Handling Improvements - Dewatering, Digestion, and Co-Generation Improvements.
	h. Liquid Waste Facilities - Septage Handling.
12	Northeast Improvements.
	a. Treatment Process Capacity Improvements and Upgrades. (502510). Additional Nitrification and Capacity Improvements.
	b. Grit Removal Improvements. (502512)
	c. Wet-Weather Treatment Facilities.
	d. Solids Handling and Digestion Capacity Improvements.

\*Indicates project is not shown on the map.

2004 - 2010 CAPITAL IMPROVEMENT PROGRAM

DIVISION: WASTEWATER

(1) PROJ. NO.	(2) PROJECT TITLE	(3) PROJ. PRIO.	(4) 3% Inflation per year											
			PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS) (000's)											
			2004-2005	FS	2005-2006	FS	2006-2007	FS	2007-2008	FS	2008-2009	FS	2009-2010	FS
1.	GENERAL SYSTEM IMPROVEMENTS													
	a. Collection System Extensions - Match (Continuation, 502500)	A	140.0	UR	150.0	UR								
	b. Preliminary Design & Engineering Support. (Continuation, 502610)	A	30.0	UR	30.0	UR	30.0	UR	30.0	UR	30.0	UR	30.0	UR
	c. Facilities Plan Update	B	150.0	UR									280.0	UR
	<b>TOTAL PROJECT 1</b>		<b>320.0</b>		<b>180.0</b>		<b>30.0</b>		<b>30.0</b>		<b>30.0</b>		<b>310.0</b>	
2.	SELECTED REPLACEMENT OR REPAIR OF WASTEWATER FACILITIES AND/OR COLLECTORS -( 700359) - Projects Such as:	A	900.0	RB	920.0	RB	2,020.0	RB	2,080.0	RB	2,140.0	UR	2,200.0	RB
	a. Replacement or Repair of Manholes													
*	b. S.12th to S10th, between 'O' & 'N'													
*	c. N.22nd to N.23rd, Vine & 'U' St.													
*	d. S.20th to S.19th, 'O' & 'N' St.													
*	e. Stratford Ave. to Sewell St., Bradfield to Calumet													
*	f. Winthrop to Bradfield Dr. ,Ryons to Sewell St.													
*	g. S. 40th, High St. to Pawnee													
*	h. N.52nd - N.55th near Holdrege St.													
*	i. NW 44th, West Mathis to Superior													
*	j. Lift Stations - Repl. Pumps and Telemetry System Upgrade.													
*	k. UNL Master Plan		10.0	UR										
*	l. Antelope Valley													
*	1) Vine St. Rd and Bridge		360.0	UR										
*	2) Big "Tee"		650.0	UR										
*	3) P and Q St. Bridges				1,050.0	UR								
*	4) "O" Street Bridge				30.0	UR								
*	5) "N" Street Bridge						30.0	UR						
*	6) East Leg Overpass									10.0	UR			
*	7) North/South Road, Q to Y												50.0	UR
	<b>TOTAL PROJECT 2</b>		<b>1,920.0</b>		<b>2,000.0</b>		<b>2,050.0</b>		<b>2,080.0</b>		<b>2,150.0</b>		<b>2,250.0</b>	

(5)	(6)	(7)		(8)	(9)	(10)	(11)						(1)
TOTAL FOR SIX YEARS (000's)	COST BEYOND 2009-2010 (000's)	PRIOR APPROPRIATIONS		TOTAL CAP COSTS (000's) (5)+(6)+(7)	COMP PLAN CONFORM	STATUS OF PLANS	COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)						PROJ. NO.
		YEAR	FS				PRELIM PLANS	FINAL PLANS	LAND ACQUISITION	CONST	EQUIP / FURNISH	OTHER (EXPLAIN)	
290.0	Unknown	Continuous		290.0	GCP	1					290.0		1.
180.0	Ongoing	Continuous		180.0	GCP	1	180.0						
430.0	1,600.0	None		2,030.0	GCP	0,1	430.0						
900.0				900.0			610.0				290.0		
10,260.0	Ongoing	Continuous		10,260.0	GCP	1		0.0			10,260.0		2.
0.0	Ongoing	Continuous		0.0	GCP	1					0.0		*
0.0													*
0.0													*
0.0													*
0.0													*
0.0													*
0.0													*
0.0													*
0.0													*
10.0	Unknown	None		10.0	GCP	1	10.0						*
360.0	Unknown	None		360.0	GCP	1		40.0			320.0		*
650.0	Unknown	None		650.0	GCP	1		70.0			580.0		*
1,050.0	Unknown	None		1,050.0	GCP	1		100.0			950.0		*
30.0	Unknown	None		30.0	GCP	1		3.0			27.0		*
30.0	Unknown	None		30.0	GCP	1		3.0			27.0		*
10.0	Unknown	None		10.0	GCP	1		1.0			9.0		*
50.0	Unknown	None		50.0	GCP	1		6.0			44.0		*
12,450.0				12,450.0			10.0	223.0			12,217.0		

2004 - 2010 CAPITAL IMPROVEMENT PROGRAM

DIVISION: WASTEWATER

(1) PROJ. NO.	(2) PROJECT TITLE	(3) PROJ. PRIO.	(4) 3% Inflation per year														
			PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS) (000's)														
			2004-2005	FS	2005-2006	FS	2006-2007	FS	2007-2008	FS	2008-2009	FS	2009-2010	FS			
	TRUNK SEWER SYSTEM																
3.**	SALT VALLEY BASIN - Relief Sewer #502450																
	a. Phase IV - 4th & Rose to approx. 6th & Pioneers	A	1,677.0	OF													
	b. Phase V - 6th & Pioneers to Hunts Rd & Old Cheney				2,780.0	RB	1,590.0	RB									
	c. Upper S.E. - 20th & Yankee Hill to 27th & Rokeby to approx. S.40th & Yankee Hill.	A	1,589.0	RB	1,990.0	RB			200.0	UR					200.0	UR	
*	d. Upper SW - S.7th & Old Cheney to near S 1st & W. Denton Rd.	C									500.0	IF			2,800.0	RB	
	<b>TOTAL PROJECT 3</b>		<b>3,266.0</b>		<b>4,770.0</b>		<b>1,590.0</b>		<b>200.0</b>		<b>500.0</b>				<b>3,000.0</b>		
4.**	NORTHEAST SALT CREEK BASIN New Trunk Sewer - N. 49th to 70th, north of Salt Creek	A			400.0	RB	2,190.0	RB	975.0	RB	15.0	UR					
5.**	LITTLE SALT CREEK BASIN #502005																
	a. N. 31st St. Liftstation Outfall Improvements - N. 31st and Salt Creek to Theresa St.	A	1,500.0	RB	400.0	RB										50.0	UR
	b. Extend Trunk Sewer - N14th & Humphrey to approx. 7th & Alvo Rd.	A	100.0	RB													
			40.0	DC													
	<b>TOTAL PROJECT 5</b>		<b>1,640.0</b>		<b>400.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>				<b>50.0</b>		
6.	OAK CREEK BASIN - Relief Trunk # 502940																
	a. So. Runway to NW 44th & W. Mathis to Air Park Rd	A	350.0	RB	1,290.0	RB	200.0	RB									
	b. NW 27th - Kawasaki to Hwy 34, and Airport Rd. NW 37th to NW 35th	A	30.0	UR	180.0	UR											
*	c. NW 40th to approx. Hwy 34	C							200.0	UR							
	<b>TOTAL PROJECT 6</b>		<b>380.0</b>		<b>1,470.0</b>		<b>200.0</b>		<b>200.0</b>		<b>0.0</b>				<b>0.0</b>		
7.**	BEALS SLOUGH BASIN # 70033																
	a. Relief Trunk ,Ph I - 6th & Pioneers to 27th & Hwy 2.	A	3,360.0	RB	1,460.0	RB											
			240.0	IF													
	b. Relief Trunk ,Ph II - S. 27th to 56th & Hwy 2.				590.0	RB	3,760.0	RB	410.0	IF							
	c. Upper Beals- Extend Trunks - S. 65th and Pine Lake Rd. to S. 56th & S. 70th and Yankee Hill Rd.	A	80.0	UR	320.0	RB											
	<b>TOTAL PROJECT 7</b>		<b>3,680.0</b>		<b>2,370.0</b>		<b>4,170.0</b>		<b>0.0</b>		<b>0.0</b>				<b>0.0</b>		
8.**	WEST "O" ST. BASIN (Continuation 701019) -																
	a. Extend Trunk Sewer - Southwest 40th to near NW 48th and I-80.	A	1,100.0	RB	390.0	RB											
					310.0	IF											
*	b. NW 48th & I -80 to north & west of I - 80 Sub-basin	C														100.0	UR
	<b>TOTAL PROJECT 8</b>		<b>1,100.0</b>		<b>700.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>				<b>100.0</b>		
9.**	LYNN CREEK BASIN - Relief Trunk Sewer - 1st & Harvest Dr. to Barone Road	B					180.0	UR								90.0	UR

FORM B

(5)	(6)	(7)		(8)	(9)	(10)	(11)						(1)
							COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)						
							PRELIM PLANS	FINAL PLANS	LAND ACQUISITION	CONST	EQUIP / FURNISH	OTHER (EXPLAIN)	
TOTAL FOR SIX YEARS (000's)	COST BEYOND 2009-2010 (000's)	PRIOR APPROPRIATIONS (000's)	YEAR FS	TOTAL CAP COSTS (000's) (5)+(6)+(7)	COMP PLAN CONFORM	STATUS OF PLANS							
1,677.0	None	23,251.1 88-04 4,420.0 02-04		23,251.1 6,097.0	ICWP ICWP	2,7							3.**
4,370.0	None	4,420.0		8,790.0	ICWP	2,7		400.0	100.0		3,870.0		
3,979.0	None	80.0 03-04		4,059.0	ICWP	2		450.0	50.0		3,479.0		
3,300.0	1,500.0	None		4,800.0	ICWP	2		500.0	200.0		2,600.0		
13,326.0	1,500.0	32,171.1		46,997.1				1,350.0	350.0		11,626.0		
3,580.0		75.0 02-04		3,655.0	ICWP	2	50.0	50.0	5.0		3,475.0		4.**
1,950.0	260.0	240.0 02-04		2,450.0	ICWP	2, 7		180.0	40.0		1,730.0		5.**
140.0	Unknown	150.0 96-04		290.0	ICWP	2		20.0			120.0		
2,090.0	260.0	390.0		2,740.0				200.0	40.0		1,850.0		
1,840.0	3,400.0	2,284.1 90-04		7,524.1	ICWP	2		250.0	100.0		1,490.0		6.
210.0	Unknown	None		210.0	ICWP	2		30.0			180.0		
200.0	Unknown	None		200.0	GCP	2		20.0			180.0		
2,250.0	3,400.0	2,284.1		7,934.1				300.0	100.0		1,850.0		
5,060.0	Unknown	1,747.6 98-04		6,807.6	ICWP	2, 7	150.0	700.0	300.0		3,910.0		7.**
4,760.0	Unknown			4,760.0	ICWP	2, 7		400.0	100.0		4,260.0		
400.0	Unknown	190.0 01-04		590.0	ICWP	2		30.0	80.0		290.0		
10,220.0		1,937.6		12,157.6			150.0	1,130.0	480.0		8,460.0		
1,800.0	900.0	1,440.0 98-04		4,140.0	ICWP	2		250.0	50.0		1,500.0		8.**
100.0	800.0	None		900.0	ICWP	2		100.0					
1,900.0	1,700.0	1,440.0		5,040.0				350.0	50.0		1,500.0		
270.0	400.0	None		670.0	GCP	2		20.0			250.0		9.**

2004 - 2010 CAPITAL IMPROVEMENT PROGRAM

DIVISION: WASTEWATER

(1) PROJ.	(2) PROJECT TITLE	(3) PROJ. PRIO.	(4) 3% Inflation per year											
			PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS) (000's)											
			2004-2005	FS	2005-2006	FS	2006-2007	FS	2007-2008	FS	2008-2009	FS	2009-2010	FS
10.**	STEVENS CREEK BASIN - New Trunk Sewer	A												
	a. Ph I - Northeast Plant to N.84th & Fletcher		3,500.0	RB	1,600.0	RB								
	b. Ph II - Ph I to Havelock & Stevens Crk.						4,170.0	RB	1,970.0	UR				
	c. Ph III - Ph II to Leighton & Stevens Creek.								470.0	IF			200.0	UR
													3,870.0	UR
													540.0	IF
	<b>TOTAL PROJECT 10</b>		<b>3,500.0</b>		<b>1,600.0</b>		<b>4,170.0</b>		<b>2,440.0</b>		<b>200.0</b>		<b>4,410.0</b>	
	TREATMENT FACILITIES													
11.	THERESA STREET IMPROVEMENTS													
**	a. Treatment Process Capacity Improvements & Upgrades ( 502420) - Add'l Nitrification Primary & Final Clarifiers, Grit Basin.	A	4,100.0	RB	11,800.0	RB	3,000.0	RB						
	b. Odor and Corrosion Control Facilities Solids Dewatering Bldg's. ( 701289)	A	400.0	RB	100.0	RB	900.0	RB						
*	c. Maintenance Bldg. Structural Repairs & Modifications	A	100.0	UR										
*	d. Salt Creek Bank Stabilization	A	100.0	UR			990.0	RB						
	e. Grit Removal - (700329) Multi-year funding (Council Resolution No. A-81896)	A	2,560.0	RB										
	f. Wet - Weather Treatment Facilities	B							100.0	UR	690.0	UR	1,170.0	RB
**	g. Solids Handling Improvements - Dewatering, Digestion & Co-Generation Improvements	C									1,470.0	UR	3,200.0	RB
	h. Liquid Waste Facilities - Septage Handling	C									250.0	UR	1,360.0	RB
	<b>TOTAL - PROJECT 11</b>		<b>7,260.0</b>		<b>11,900.0</b>		<b>4,890.0</b>		<b>100.0</b>		<b>2,410.0</b>		<b>5,730.0</b>	
12.	NORTHEAST IMPROVEMENTS													
**	a. Treatment Process Capacity Improvements & Upgrades ( 502510) - Additional Nitrification & Capacity Improvements	A	10,100.0	RB	4,200.0	RB								
**	b. Grit Removal Facilities Improvements (502512)	A	1,900.0	RB	700.0	RB								
	c. Wet - Weather Treatment Facilities	B							80.0	UR	290.0	UR	1,170.0	UR
**	d. Solids Handling and Digestion Capacity Improvements	C									590.0	UR	1,370.0	RB
	<b>TOTAL - PROJECT 12</b>		<b>12,000.0</b>		<b>4,900.0</b>		<b>0.0</b>		<b>80.0</b>		<b>880.0</b>		<b>2,540.0</b>	
	** - Impact Fee Eligible													
	FUNDING SOURCE BREAKDOWN:													
	DC (Developer Contribution)		40.0		0.0		0.0		0.0		0.0		0.0	
	OF (Other Financing)		1,677.0		0.0		0.0		0.0		0.0		0.0	
	UR (Utility Revenues)		1,650.0		1,440.0		240.0		2,595.0		5,670.0		5,840.0	
	RB (Revenue Bonds)		31,459.0		28,940.0		18,820.0		3,055.0		0.0		12,100.0	
	IF (Impact Fee Revenues)		240.0		310.0		410.0		470.0		500.0		540.0	
	=====		=====		=====		=====		=====		=====		=====	
	<b>DIVISION TOTAL</b>		<b>35,066.0</b>		<b>30,690.0</b>		<b>19,470.0</b>		<b>6,120.0</b>		<b>6,170.0</b>		<b>18,480.0</b>	

(5)	(6)	(7)		(8)	(9)	(10)	(11)						(1)
							COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)						
							PRELIM PLANS	FINAL PLANS	LAND ACQUISITION	CONST	EQUIP / FURNISH	OTHER (EXPLAIN)	
TOTAL FOR SIX YEARS (000's)	COST BEYOND 2009-2010 (000's)	PRIOR APPROPRIATIONS (000's)	YEAR FS	TOTAL CAP COSTS (000's) (5)+(6)+(7)	COMP PLAN CONFORM	STATUS OF PLANS							
	9,200.0			9,200.0	ICWP								10.**
5,100.0		2,400.0	03-04	7,500.0	ICWP	2,7			200.0	4,900.0			
6,610.0	Unknown	None		6,610.0	ICWP	2,7			300.0	6,310.0			
4,610.0	6,300.0	None		10,910.0	ICWP	2,7			550.0	4,060.0			
16,320.0	15,500.0	2,400.0		34,220.0					1,050.0	15,270.0			
18,900.0	46,700.0	15,462.2	97-04	81,062.2	GCP	2, 7		300.0		18,600.0			11.**
1,400.0	Unknown	4,250.0	01-04	5,650.0	GCP	2, 7		260.0		1,140.0			
100.0	Unknown	None		100.0	GCP	1		20.0		80.0			*
1,090.0	Unknown	None		1,090.0	GCP	2, 7		100.0		990.0			*
2,560.0	Unknown	2,468.0	01-04	5,028.0	GCP	2, 7				2,560.0			
1,960.0	22,000.0	None		23,960.0	GCP	2		200.0		1,760.0			
4,670.0	18,600.0	None		23,270.0	GCP	2		500.0		4,170.0			**
1,610.0	Unknown	None		1,610.0	GCP	2		250.0		1,360.0			
32,290.0	87,300.0	22,180.2		141,770.2				1,630.0		30,660.0			
14,300.0	12,000.0	4,300.0	91-04	30,600.0	GCP	2,7		200.0		14,100.0			12.**
2,600.0	Unknown	310.0	02-04	2,910.0	GCP	2,7		0.0		2,600.0			**
1,540.0	Unknown	None		1,540.0	GCP	2	80.0	290.0		1,170.0			
1,960.0	1,700.0	None		3,660.0	GCP	2		400.0		1,560.0			**
20,400.0	13,700.0	4,610.0		38,710.0			80.0	890.0		19,430.0			
40.0													
1,677.0													
17,435.0													
94,374.0													
2,470.0													
=====													
115,996.0													

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